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FIG. 7A



Ralf Ackermann Personal Scorecard Physician

Geoffrey Gates, MD

Diabetes Control

Next Appointment

37 of 35-topics

15

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NovoTrack Progress

Message Center - 0

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## GUIDETO GOOD CARE



Guide to Good Care is a course in 7 tracks with 35 topics that were chosen to fit you and your diabetes. We recommend that you start at the beginning, but you can start anywhere and complete the topics in any order. Remember to answer the questions after reading each topic. You can reach the course by selecting a numbered button at the top of this page.

Personal Scorecard gives you access to vital information about your diabetes from your primary care provider. Explanations of each test help you to understand where you are now and where you should be going to reach the goals of good diabetes care. The Personal Scorecard can be reached from this homepage on the right or from the BioBox on the left of each page.

Message Center is a secure way to send messages to a nurse in your physicians office who can find answers to your questions about diabetes. The nurse will be following your progress through the Guide to Good Care. Remember that you and your physician make all the decisions about your individual medical care. Message Center can be reached from this homepage on the right or from the BioBox on the left of each page.

You can reach this homepage at any time by clicking on "NovoTrack" in the upper left corner or the "Home" menu item at the top of each page.

Now you are ready to get your diabetes on track - NovoTrack!



Get instant access to vital info about your diabetes from your primary care provider.

MESSAGE CENTER

Post a message to a GDE who can enswer your questions about diabetes.

FIG. 7B





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WHATIS WHATES?

Ralf Ackermann Personal Scorecard

Physician Geoffrey Gates, MD Diabetes Control A1c 7.5 % Next Appointment 04/20/01 NovoTrack Progress 37 of 35,topics complèted Message Center - 0 This section explains how your body works and what happened when you got diabetes.

Before you had diabetes, your body automatically made adjustments to keep your blood glucose at just the right level. Now that you have diabetes, you have to think about it. You have to make decisions that your body once made for you.

This section will tell you how your body worked before you had diabetes and how it works now.

Topics

Before You Had Diabetes

What Causes Diabetes

Effects of Diabetes

Who Gets Diabetes

NEXT

FIG. 7C

DIABETES

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Ralf Ackermann Personal Scorecard

Diabetes Control

Next Appointment

NovoTrack Progress 38 of 35 topics completed

Message Center - 0

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Physician Geoffrey Gates, MD

A1c 7 5 %

04/20/01

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TRACKS WHAT IS WHAT IS

FIG. 7D(1)

#### Effects of Diabetes

#### A Healthy Life

People with diabetes can live long and active lives. Knowing how to treat your diabetes can help you avoid the symptoms of high and low blood glucose. Maintaining good diabetes control over time reduces the risk of long term complications.

No one would want to have diabetes, but those who rise to the challenge of good diabetes care may find strengths that they never knew they had.

#### **High Blood Glucose**

Both high and low blood glucose can cause symptoms that go away after the blood glucose returns to an acceptable level. In rare circumstances, extremes of either high or low blood glucose can lead to coma with results that may not be easy to reverse.

The symptoms of a very high blood glucose are thirst, excessive urination, fatigue, weakness and loss of weight. Other symptoms can occur including blurring of vision and difficulty healing wounds or fighting infections.

When your blood glucose is very high, the body can flush some of the excess blood glucose out of your system by putting it into the urine. You get thirsty as your body loses more and more water in the sugary urine. Frequent trips to the toilet can disturb sleep and interrupt activities during the day.

If a high blood glucose is left untreated, you can begin to lose weight. The weight you lose is not a healthy weight loss. Even though the blood glucose is high, the glucose can't get into the cells so the cells don't get the energy they need to do their work. Muscle is being broken down to make even more glucose. This results in weakness and fatique.

At a certain level of blood glucose, the brain cannot function well. The most severe consequences of an extremely high blood glucose are confusion and eventually coma. These complications can be prevented by the most basic diabetes care.

#### Low Blood Glucose

Low blood glucose is usually the result of treatment that is not matched to a person's needs. This topic is covered extensively in Section 2 Using Medications Wisely.

#### Long-Term Complications

The complications of diabetes are not inevitable. High blood glucose can damage many different organs in your body. How diabetes damages an organ is complex and not completely understood even by scientists who study these problems. It has been shown by a number of studies that maintaining good control of blood glucose reduces the risk of complications. Control of other risks such as high blood pressure and cholesterol can also reduce the risk of complications.



People can live long and healthy lives with diabetes



Thirst, excessive urination and other symptoms of diabetes do not occur until the blood glucose levels ar extremely high.



Loss of vision (and other long term complications) can be prevented by good diabetes care



Weight loss because of

Each of the major complications of diabetes is discussed at greater length in Track 6 Complications.

#### Heart Disease

You may not think of a heart attack as a complication of diabetes - but it is! People with diabetes are at greater risk of diseases caused by cholesterol that builds up and blocks vital arteries. People without diabetes can get blockage in an artery leading to a heart attack, stroke or other circulatory complication. Diabetes just makes all of these complications worse.

Fortunately, various treatments have been shown to reduce the risk of heart disease and other circulatory problems for people with diabetes. You can learn more about this subject in Track 4 Treating High Blood Pressure and Treating High Cholesterol and in Track 6 Heart Disease.

Go To Questions

high blood glucose is not healthy. A large part of the weight loss is muscle - with weakness and fatigue as a result.



Diabetes increases the risk of heart disease. Good diabetes care reduces the

SEE HOW IT WORKS!

FIG. YD(a)





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WHAT DIABETES?

Ralf Ackermann Personal Scorecard

Physician Geoffrey Gates, MD Diabetes Control A1c 7.5 % Next Appointment 04/20/01 NovoTrack Progress 38 of 35 topics completed

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Frequent urination is always a symptom of diabetes.

C True

C False

Back to Track 2.3

TRACK

NEXT



DEADIN

FIG. 7E



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### PERSONAL SCORECARD

#### Raif Ackermann Personal Scorecard

Physician Geoffrey Gates, MD Diabetes Control A1c 7.5 % Next Appointment 04/20/01 NovoTrack Progress 37 of 35 topics completed Message Center - 0

DIABOE

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#### How Am I Doing?

This is a good question to ask. Your personal scorecard helps you to answer this question.

Each of the test results to the right of this page has been selected with a purpose. Click on the test result to see an explanation of the test and its significance to your health.

Each test predicts the risk of one or more of the long-term complications of diabetes. For each test, treatment that moves the value toward the recommended goal is beneficial.

Not everyone can achieve the goals set by the American Diabetes Association and others. For some, these recommendations are not appropriate due to other medical concerns. You and your healthcare provider will need to decide goals that are appropriate for you. You can record these values by clicking the Personal Diabetes Goals at the bottom of the column to your right.

FIG. 7F

Personal Care

Personal Goals Blood Glucose Testing Average 7 per week

Laboratory Tests

Diabetes Control A1c 7.5%

Kidney Health Urine albumin 532

Cholesterol Profile Total cholesterol - 211 HDL cholesterol - 40 LDL cholesterol - 110 Triglycerides - 346

Physical Examination

Weight/BMI 150 lbs/32 Blood Pressure

160/100

Foot Sensitivity sensitive

Eye Examination 10/25/01

Profile	-Patient Finder	The California		
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FIG. 76

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Address:					
Citys		State:	Zip Code:		
Phone:	and many C 22 to 10 many	Email: rwa@nov			
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FIG. 7H

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Type of Diabetes:	Type 2	Ger	der: Male	Age: 41	Height	178	
Foot Care:	High Risk	F		Neuropthy:	Absent	<b>⊡</b>	2012
Nephropathy:	Present		5 7 4 1	Heart Disease;	Present	I	
Retinopathy:	Absent	·					
Text	Result	Date	Goal	Blood Sugar			
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FIG.7I

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established patterns				
2. Attitude Toward Future Co	mplications			
fatalistic	<u> </u>		6	146
3. Level of Activity	<u> </u>			
sedentary	의 -	بالرسوق في الراب		
4. Frequency of Blood Sugar infrequent	Monitoring			
5. Attitude Toward Smoking	_21		36	
smoker-does not want to qui				
6. Attitude Toward Insulin				
Type 2 rejects	5			
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FIG.7J

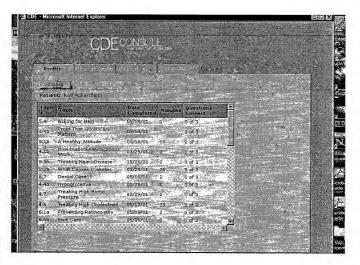


FIG. 7K

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Ophthalmologist					
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FIG.7L

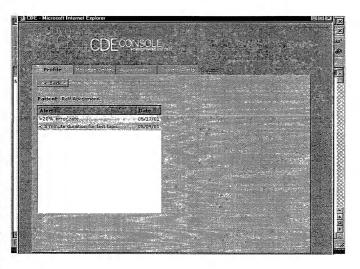


FIG.7M

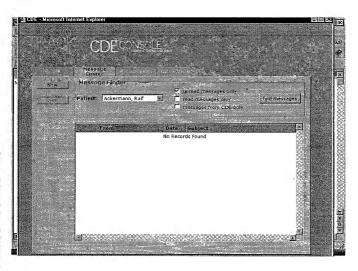


FIG. 7N

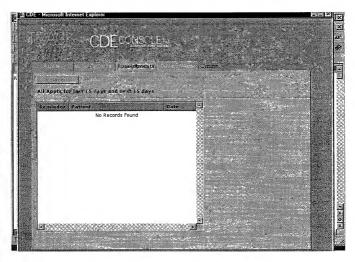


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FIG. 7P

### FIG. 8A

#### NovoTrack Guide To Good Care Outline

Key

10.06 Title of the Topic Medical Record Data Patient Attitude Data Questions Numbering sequence is by track, then topic. Note that a letter after the number indicates a choice of article for that topic depending on patient characteristics entereed by the patient in response to questions at the time of registration. Both the CDE and pateint can edit data if required.

<u>Track 1 - Getting Good Care</u> (4 articles: This section has 1 **Medical Record** choice and 1 **Patient Attitude** response at registration to choose persepctive for the articles.)

1.1 Defining Quality Care	E BOOK IN THE WAY TO SHE	THE PERSON OF STREET, SALES	Questions
1.2a Caring for Yourself		New Diagnosis	Questions
1.2b Caring for Yourself	TALL SERVICES	Established Patterns	
1.3 Your Diabetes Care Team	STATE OF THE PARTY OF	P.79 2559 Markadam	Questions
1.4a Proof that Good Care	Type 1	<b>化的现代结构</b>	Quactions
Watters Watters	Type 1	Andrewster Land Holl	Questions
1.4b Proof that Good Care	Type 2	CONTRACTOR OF THE PARTY OF THE	Questions
Matters	PROPERTY AND ADDRESS OF THE PARTY OF	season hard a season of the late of the season of the seas	COCOGONO INC

<u>Track 2 - What is Diabetes</u> (4 articles: This section has 1 **Medical Record** choice at registration to choose persepctive for the articles.)

2.1 Before You Had Diabetes	
2.2a What Causes Diabetes	Type 1 Questions
2.2b What Causes Diabetes	Type 2
2.3a Effects of Diabetes	Type 1 Questions
2.3b Effects of Diabetes	Type 2 Questions
2.4a Who Gets Diabetes	Type 1 Questions
2.4b Who Gets Diabetes	Type 2 Questions

<u>Track 3 - Healthy Eating & Exercise</u> (2 articles: This section has 2 **Medical Record** choices and 1 **Patient Attitude** response at registration to choose persepctive for the articles.)

3.1a Healthy Eating Type 1 Questions
3.4b Healthy Eating Type 2 Questions
BIVI CZ8 Committee and Committ
3/1c Healthy Eating Type 2 Questions
BMI > 28 to the residence of the second seco
3.2a Healthy Exercise Type 1 Sedentary Questions
3.2b Healthy Exercise Type 1 Active Questions
3.2¢ Healthy Exercise Type 1 Disabled Questions
3.2d Healthy Exercise Type 2 Sedentary Questions
3.2e Healthy Exercise Type 2 Active Questions
3.2f Healthy Exercise Type 2 Disabled Questions

<u>Track 4 - Using Medications Wisely</u> (8 articles: This section has 1 **Medical Record** choice and 2 **Patient Attitude** responses at registration to choose persepctive for the articles.)

### FIG. 8B

4.1a Choosing The Right	Type 1		Questions
4.1b How Diabetes Medications Work	Type 2	AND THE SHAPE	Questions
4.2a Intensive Insulin Therapy	Type 1		Questions
4.2b Combinations Of Medications	Type 2		Questions
4.3a Practical Tips For Insulin	Type 1		Questions
4.3b Insulin For Your Diabetes		Accepts Injections	Questions
4.3c Insulin For Your Diabetes	*Type 2	Rejects Injections	Questions
4.4a <u>Hypolqlycemia</u>	Type 1	The second second second	Questions
4.4b Hypolglycemia	Type 2		Questions
4.5a Monitoring Your Blood Sugar	Type:1	Infrequent Monitoring	Questions
4.5b Monitoring Your Blood Sugar	Type 1	Frequent Monitoring	Questions
4.5c. Monitoring Your Block Sugar	Type 2	Infrequent Monitoring	Questions
4.5d Monitoring Your Blood Sugar	Type 2	Frequent Monitoring	Questions
4.6 Treating High Cholesterol	AT THE REAL PROPERTY.	TORY TO SHARE THE PARTY OF THE	Questions
4.7 <u>Pressure</u>			Questions
4.8 Benefits of Asprin	the limit in the	CONTRACTOR OF STREET	Questions

<u>Track 5 - Family, Friends & Feelings</u> (4 articles: This section has 1 **Patient Attitude** response at registration to choose persepctive for the articles.)

5.1a	A Healthy	Attitude	South Street		Optimistic	Questions
	A Healthy			Table be-	Balanced	Questions
5.1c	A Healthy	Attitude	Marin The	totale	Pessimistic	Questions
5.2	Setting G	oals		COST THE PROPERTY OF THE PARTY		Questions
5.3	Family &	Friends	St. T. TVINE	and Street Street	The state of the s	Questions 1
5.4	Getting H	elp	Section of the sectio	HINE CONTRACTOR		Questions

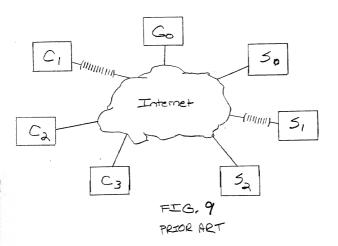
<u>Track 6 - Complications</u> (7 articles: This section has 5 **Medical Record** choices and 1 **Patient Attitude** response at registration to choose persepctive for the articles.)

6.1a Preventing Retinopathy	Complication Absent Questions
6.1b Treating Retinopathy	Complication Present Questions
6.2a Preventing Neuropathy	Complication Absent Questions
6.2b Treating Neuropathy	Complication Present Questions
	Complication Present Questions
	Low Risk Questions
	High Risk Questions
6.5b Treating Heart Disease	Prior/Current Ischemia Questions

6.6a Smoking Nonsmoker Questions
6:6b Smoking Smokes - Wants to Questions
6.6c Smoking Smokes - Doesn't Questions want to quit
6.7 Dental Care Questions

<u>Track 7 - Special Situations</u> (5 articles: This section has 3 **Medical Record** choices at registration to choose persepctive for the articles.)

7.1a Driving	Type 1	AND SECTION OF THE PARTY OF THE	Questions
7.1b Driving	Type 2		Questions
7.2a Traveling	Type 1	State of the state	Questions
7.2b Traveling	Type 2		Questions
7.3a Employment	< 62 years old	TAS ME SEC	Questions
7.3b Retirement	> 62 years old	Section Assets Total	Questions
7.4a Insurance	< 62 years old		Questions
7.4b Medicare	> 62 years old	THE STREET	Questions
7.5a Men's Sexuality	Male		Questions
7.5b Women's Sexuality	Female, < 45 years	<b>新华。</b>	Questions
7.5b Women's Sexuality	old		Man Tolling Tolling
7.5c Women's Sexuality	Female, > 45 years	E W. M. M.	Questions
TOUR WONDERS DEADLY	old	The same of the sa	THE COURSE OF SHAPE STATE OF
7.6a Sick Days	Type 1		Questions
7.6b Sick Days	Type 2	THE REAL PROPERTY AND ADDRESS OF THE PARTY O	Questions



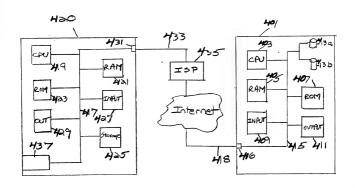


FIG. 10 PRIOR ART